

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-34 (canceled)

35. (Currently amended) A method of removing a pollutant comprising a step of forming an
~~An~~ intermediate in the production of a carbonaceous mixture that comprises carbon
nanotubes, wherein the carbon nanotubes further comprise at least one of a C₁, C₂, C₃, C₄,
and C₅ radical, and wherein the intermediate comprises a carbonaceous feedstock and at
least one compound according to the general formula MXO_n, wherein M is selected from
the group consisting of H, NH₄, Na, and K, wherein X is selected from the group
consisting of Cl, Br, and I, and wherein n is an integer between 1 and 4, inclusive; and
further comprising a step of using the carbonaceous material to remove the pollutant.
36. (Currently amended) The method ~~intermediate~~ of claim 35 wherein the nanotubes in the
carbonaceous mixture are present in an amount of at least 10%.
37. (Currently amended) The method ~~intermediate~~ of claim 35 wherein the nanotubes have a
size of between 1 nm to 10 nm.
38. (Currently amended) The method ~~intermediate~~ of claim 35 wherein the nanotubes further
comprise a carbon radical having a hexagonal ring structure comprising at least one of a
C₁, C₂, C₃, C₄, and C₅ radical.
39. (Currently amended) The method ~~intermediate~~ of claim 35 wherein the carbonaceous
feedstock and the at least one compound are present in an amount of 2:1.
40. (Currently amended) The method ~~intermediate~~ of claim 35 wherein the carbonaceous
feedstock comprises graphite flakes or graphite powder.
41. (Currently amended) The method ~~intermediate~~ of claim 35 wherein M is H.
42. (Currently amended) The method ~~intermediate~~ of claim 35 wherein M is NH₄.

43. (Currently amended) The method intermediate of claim 35 wherein M is Na.
44. (Currently amended) The method intermediate of claim 35 wherein M is K.
45. (Currently amended) The method intermediate of claim 35 wherein X is Cl.
46. (Currently amended) The method intermediate of claim 35 wherein X is Br.
47. (Currently amended) The method intermediate of claim 35 wherein X is I.
48. (Currently amended) The method intermediate of claim 35 wherein n is 1.
49. (Currently amended) The method intermediate of claim 35 wherein n is 2.
50. (Currently amended) The method intermediate of claim 35 wherein n is 3.
51. (Currently amended) The method intermediate of claim 35 wherein n is 4.